

AFFORESTATION / REFORESTATION METHODOLOGIES

Summary of recommendations



A/R Working Group

29th Meeting 9 – 11 August 2010

EB56 – Annotated agenda item 37

Revision to A/R methodological tool

“Estimation of changes in the carbon stocks of existing trees and shrubs within the boundary of an A/R CDM project activity”



Background

The Board has identified four criteria for improvement of approved methodologies [EB 49, paragraph 21]:

- Objectivity
- Applicability
- Usability
- Consistency



Revision of the tool: “Changes in the carbon stocks of existing trees and shrubs”

Applicability:

- The tool is applicable in both the baseline scenario and in the project scenario
- In case of ex-ante estimation, where no local / national data are available, the tool provides for use of default IPCC data

Usability:

- The tool provides a default method for estimation of shrub biomass on the basis of crown cover and forest biomass
- The tool allows use of any diameter, not just the DBH, in biomass estimation models



EB56 – Annotated agenda item 33

New SSC A/R methodology

“Simplified baseline and monitoring methodology for small-scale A/R CDM project activities on grasslands or croplands”



New SSC A/R methodology: “A/R of grasslands or croplands“

Applicability:

This methodology may be applied if all of the following applicability conditions are met:

- The baseline land-use category is cropland or grassland;
- Any area of land included in the project boundary:
 - Does not contain organic soils (e.g. peat-land);
 - Does not fall into wetland category;
- Litter remains on site and is not removed in the A/R CDM project activity; and

(continued)



New SSC A/R methodology: “A/R of grasslands or croplands“

Applicability (*continued*):

- Ploughing/ripping/scarification attributable to the A/R CDM project activity, if any, is:
 - Done in accordance with appropriate soil conservation practices, e.g. follows the land contour;
 - Limited to the first five years from the year of initial site preparation;
 - Not repeated, if at all, within a period of 20 years.

Usability:

- Applies a modular approach by using tools for selected carbon pools
- Precision requirement for biomass estimation is set at 90/10



EB56 – Annotated agenda item 36

Revision of A/R methodologies

- **AR-AMS0001: “Simplified baseline and monitoring methodologies for small-scale afforestation and reforestation project activities under the clean development mechanism implemented on grasslands or croplands ”**
- **AR-ACM0001: “Afforestation and reforestation of degraded land”**



Revision of AR-AMS0001: “A/R of grasslands or croplands”

The methodology is improved as follows:

Objectivity and consistency improved by:

- Revising equations 33-36 so that these are consistent with similar ones used in other methodologies;
- Changing the title of the methodology so that the title points to important applicability conditions



Revision of AR-ACM0001: “A/R of degraded land“

The methodology is improved as follows:

Applicability:

- In case of ex-ante estimation, where no local / national data are available, provides for use of default IPCC data
- Ploughing in project scenario is allowed on more than 10% of project area

Usability:

- Simplified default method for estimation of initial biomass of trees in baseline
- Tool for calculation of number of sample plots made optional: allows other approaches

Objectivity and consistency improved by: (i) Explicitly noting how the tree biomass in baseline is to be accounted; (ii) Setting the required precision level to 90/10



Thank you for your attention.



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$$tCER_{(tv)} = P_{(t)} - \sum_{t=0}^{tv} (GHG_{PROJ,(t)} + \Delta C_{BSL,t}) - L_{tv}$$

for subsequent crediting periods:

~~$tCER_{(tv)}$~~

$$P_{(t)} - \sum_{t=0}^{tv} (GHG_{PROJ,(t)} - \Delta C_{BSL,t}) - L_{CPI}$$

$$tCER_{(tv)} = P_{(t)} - \sum_{t=0}^{tv} (GHG_{PROJ,(t)} + \Delta C_{BSL,t}) - L_{CPI}$$

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for subsequent crediting periods:

$$ICER_{(tv)} = P_{(t)} - \sum_{t=0}^{tv} (GHG_{PROJ,(t)} - \Delta C_{BSL,t}) - L_{CPI} - ICER_{(tv-k)}$$

$$ICER_{(tv)} = P_{(t)} - \sum_{t=0}^{tv} (GHG_{PROJ,(t)} + \Delta C_{BSL,t}) - L_{CPI} - ICER_{(tv-k)}$$

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